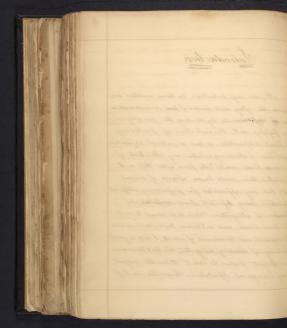
No. 14 Defams An Anaugural Difsertation Cholera Infantum Mann & Melson Virginia admitted March 15th 1022

Introduction

It was my intention to have written and experimental ofmy, and indeed I had communed, a juries, of vafrenments, by dividing the par ingum of a puffy; with the intention of producing artificial respiration, as soon, as natural respiration ceased; and of observing whether any alteration of the venous blood would take place after this, and also whether there would be an absence of animal hat; but my apparatus for performing artificial respiration being defective Invas competed to abandon it altogether I then determined to will upon some disease; and as Cholana Infantum is one, The symptoms, and treatment of which I had a great opportunity of observing during the two last summers I have thought profess, to select this as the subject of my inaugural dissistation. So somsible and of



my inability to do justice to this subject, that no indusement whativer would be sufficient to call forth my fable efforts at this particular crisis, were it not in compliance, with an indispensable duty imposed, by an institute of this university, Imust therefore plead, the shortness of time allowed; during which we have to prepare a diportation; the imposition Attity of founding our theories, upon the basis of our own observations, in consequence of extreme youth and inexperience; and the necessary ingagements in pursuits highly unfavourable to falicity in composition, or success in existific research; asan excuse for the imperfect diction of this diportation. It would be with great diffidence that I should submit this imperfect treatise, to the deviling of that alle tribunal; were I not incouraged with the hope of its receiving all the indulgance, which candour, with justice can bestown

Chotera Infantum

This disease is daid to be almost. Seculiar to the United States; and if I were to form my opinion with respect to its occumence in other Countries, from their medical records, and publications, on the dubject of the diseases of Children, I should be led to pronounce it, indemial to this Country. Sadonit that in other Countries, there are diseases resembling Cholera Sufantum in some respect; but dong that they can be recognised as the true form of this disease. It is a disease attended with great mortality carrying of hundreds, and thousands of infants every dummer, thereby annihilating the foul hopes, of their distroped parents. Notwith Landing the numerous victimes yielding to this disorder sumustly, the works on this subject, exhibited to the publick orge, are for in number. The degree to which it rages, and the

Chileres Superstam

danger attinutant report it are in wary instance supposed to be, in proportion to the heat of the alternationer life this fact stone fully pedicaled from howing observed in many cases a hippy change to take place in a cooladay; and as soon as it became mann time mounted be an aggravation of all the lymptoms.

Symptoms

This directe is frequently ushood in with a leaving of the boards, or discreption, which may continue record days without the childs being in any other way indisposed; but more frequently distribut with my section disput of assisting, and a high force. The discharge from the boards are generally of a your colored tentials mixed with white the and blood, at other times I have been three guite black charteness over the work and also be that know by stock that knew bear mentioned. Of this stage of the disease their are elymphotoms of great pain. The feet are frequently booms up to the test are frequently

do much do indeed that it is impossible to keep their in one position. Theyare of their natural timberature, or frequently cold, while there is a great degree of heat on the bear , showing that there is determination to that part of the saystim. The fulse is quick frequent and small. The okin is dry and hot, and those is a great degree of thirst, which is displayed in the childs to king every kind of liquid into its mouth with midity. The head is commetimes so much affected, as to produce daying toms of delining and marie . This weeks do metimes in such a degree that the child maker frequent attempts to bite it parent or news . The abdomen is almost always enlarged, the thin in the folds of the extremelist, and on the neck; often the disease has continued for somedays, becomes winkled, caly, and dong and displays a desper tinge of yellow, then any other fact of the body. These last organitoms I have . mover seen montioned, by any author I have read on the outjut, but have observed it myself in every case I have seen. The eyer have a languid, and hallow appearance, and the child frequently desponith them half ofen, and shows



underfootelien to view eliely of files when they light expens the opportunity the child always his and have been and have a facilities in a facilities. This disease forward future to continue is a face day; but more frequently it is of honger continue ance, at high homeonating for a facilities with an another many diseaseable; and dishipling dymptom, such as great immediation, have of fall disapplies committee a dishipling of marked hippocratic consistence when the most and mouth, and amount a translatione, course

Tathology

Humy are the causer to which this disease has been attributed. The fruits of the summer have businessed upone among the friendry cause of the diseases but to the opinion, it may be abjected, that we more begundly meet with the diseases in large to instribute free tie not to easily chains as on the Country those or its in Country those or its in Country those or its in Country those or the in Country those or the confidence when the confidence of the country when the thirty that their confidence of preparent or the allocks very young children who



nove never tasted fruit. I dow this lake place in lowo instances last oummer. It has bekenise been attributed both to morms, and dontition, neithin of which do beenseden as a firmory cause of this disease; because the cases are too numerous where children are affected with this complaint before the age of dentition; and me also know it to be a fact, that this disease never occurs, but at one fracticular reason of the year. That dentition and morms sometimes art as exciting causes I do not fortind to ding; but their their ment have been previously existing some firedis frozing cause without the presence of which this discore could not be exected. That which Rousider to be the time course of this Lineary, is a stated the William of the Ulmosphere producing a debithated state of the Homach, and bowels are thirty undering this particularly liable to take on that morbid date faction. The liver is almost always affected, in this disease, but this affection of the liver, I donet consider as direct, and idiofrathic, but produced through the medium of sympathy. This diseased state of the liver will be sufficiently indent



The state of the s

in examination of the definence have resident by dijection that the vicera of the abdoman resident the whole force of the distance. The effects of information are to be seen through the whole of the above through make the whole of the above was assured to like the way was consult, be fell through the above winds and the major was consult, be fell through the above winds much miscalism to account folkoling of Bholesa Information, I that proceed to its brahment.

Treatment

In the distributed of the dismplant of this disease. I have shown, that it always make it appearance, with correlevate disorder of the Momach and bowels. The presence of such superfitting weeks had me to correlate, that the frat indication in a templing a cure; Thould be to charthe stands, and bowels the most opposite that many diving which are emilies. There are only society the decimal world bowels; but at the same time determine to they are in that



may diminute disease from the alimentary count . Hit milims happens, however, before an emetic is administered, and wen ofter its of writion, that the stomach is semitable as to reject very thing immediately on its very wallower ! houch a cover our object should be directed to allay this imitation as Specify as possible. For the accomplishment of this en Froud recommend, the use of anadyne injections, ligether with warm formentations to the Gugastrie region. Those due a little mint bribed, woul stufed in warm Mirkey , or Brandy and their applied over the region of the Homach; attended with very hoppy affects Equal facts of new milk, and lime moter, administrate internally will frequently alloy excepive imbolion v. In Normalle. Murild thise remedies soil in producing the desired offerty me should resort to the application or a dinapis m, or Mistering plaster over the efigostrie region. at this fund of the direase, it there hould be much giver, an Symptoms of infarmation I would not histale to bleed, as I believe it as absolutely need on, to Mort to bloodletting in the cares of children a in three of adults. To this practice



Ishould be hed by bearing in mind the officerance foresented on differtion. But I wish not to be understone as recomme wing this remedy indivininately; to far from it um I; that I believe the lancet is attended with more wit thon year, uning regulated by a trune Judgement exercised with distinination. attor we have successfed in allowing the irritability of the stomuch, surgalives should be wanted to. Here, there is some difference of obsinion, as to what write should be minere for this purpose. From recomment Coster Cit manne, may meser une Rimburte, in furtierence to any others; but the article which of should puter, about all the rest is colomel. This medicine not only way us the allow lage a view in musous to the fatient; in consequence of which it man be administered with les disticulty but it is retained on the damach when every thing else is rejected. Unother very great. Inferiority, which it has over the other fring aleries, is, tal it warrates the air mentary canal more thinghly than other meeticiane which wente operate with this me degree of mildrey . It this show a the disease acombination



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of opinion and calomet is highly recommended in the trajement, Then whom decill not addice higher outhorty. If me only suffer ourselves to reflect on the moder operande of. this he while of two . in but to conclude that their must be releised as highly useful at this siries of the dinave Pediale it more be trick to come that as this is adisease of an inflammed ton, nature, opium moule who some to invience there to alterne "The Smut contest is entirmy foreign to my idea of the effects of Oficem in this disease. That this is a disease of an inflammatory nature I have aported in a preceding just on this difertalism; but to meder this inflommation to be the wheet, of no other cause than a continuence of a great degree of instation in the alimentary anal; for the removal of which there can be nomedicine better adapted; there a combination of opium, and colomoly for while one is allaging the initation and spoons of the alimentary couly the other is no less retire in removing the feedant contents after the Unimention car at has been once cleanered of its intelling



contents we should wave the exhibition or purgitives, and whine much merhin is requestividone to jurnino these. nuticine to be great an extent. Instead of the wood. fungations in this stage we should resort to dialer combined with other medicines, in such a win as is moduce a determination to the surface, at the some time that its calm's the initation and sother finish. For this furtisse, a combination of green, colonel and spear is admirably adopted in the following proportions Opium ... jor & this is to be divided with eight numders. Calonel ... ijgs one to be siven even here or three tracers Spece ijos I fino re nala. Time nomben in a little nuverous; and very requestly the Homach is in such an initable state; that this, would be rejected immediately on bring taken . mauch a an I would recommend the we we of the worm batis this determines to the surface, and tends to allay imitation and spann. Often have I son the lander imant to much distreted with the asomes of pains and with a day and hot olding, that it required the solonost. existions of its mather to hold; but as soon as it has been plunged



into the mann both it becomes immedially company and after that been removed and implied prefectly dry a gentle diaphoresis corner on the this great whisp of their distribution applicant. In combinered in such this great subject of the combinered in the great surely. There is always forme according of the thomash at this shape, which the chalk that continued to the forfered in the continued to countered. The brightness of opening the colculated to countered. The birthers of opening thick is another in considered to the first proposations are interested in a classification of this proposation, is neighby beneficial in adapting proposation, to remove, which is great always an always are allowing the beneficial in the stays of the discounter of the first proposation which there were send, is made according to the leftiming formula.

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Ugus pura 3 in thing their add a fore
deep of oil of freppermints after having made weet for
freezeding semedies the disease to rections of pears not to



be at all dispresed to wild but still continues to harof the putient with try my home on victory paine, great day ne of but, une sorenip of the abdomer. In such a case I should have no hasilation in having immediate recourse tothe upplication of blisters over the abdomese. Broth bebrile dinaver in chiedren we men be ven; remille, that there is a factionational determination of blood to the brain, in ansague ne of that visces being larger in proportion Lottier furt of the body than it is in adults; and not only this but over the very sum tous of the disease indicates that such must be the case. He should not supper ourselves to be profeelly regardly or the part, because on difection, we discover no morbed appearances in the brain, for in those coses where congestion only take, place; it is arrang to conseive that all mortid appearances in 17, 5. brain man care after death, as that the sufferson of blood in the have should disappear after the street of the blood iron the extremeties of the refuls in the los honoments of life. His not uncommon for morbid offections of the brain, to leave sitter slender, or no morks if disease after



death, this being admitted use not we should be ven carried to driate allow my torns of determination of blood to the heart, for I have seen a case of Cholera Sylantim liminate in difrolition, with every symptom of Hydrocephalus Interner, and if I mistake not, I Rush in his writings mention a case of Hydroceficholesy which was fireduced by Cholera Infariteurs. The nondier mortefrestual in combratting by injections of determination to the head, are applications of cold to the head; In topical deplates by leacher and copping. Though their remedies should pail. bit in net give our featient over to dispain, pursumer are ample, and it becomes error physician, entruster. with the lives of our fellow mortals, to avail accosition we there resources estoring as there is one short on vitality remaining in the system "he extremities may take on the cold york of the y rave, em the arteries mar con to fulsate in the extremities, is the to not this difunde us from a continuous of our remedies; rather letil Stimulate in with reducted energy, to sistuite the victor with the prove or aslone as any sumptions of life



umain in the destine of the tender infant, do long should mecontinue to highe and to realise this hope , by a steady and active personance, in our plan of beatment. Ofthe a faiture of the freezeding remedies what might. we not expect from a murcierial course purhed of profible to a slight dolivation I dogive, an answer to this question, be us never to the prothology of this disease, shoted in a preceding fart of this difertation; and also to the appearances fremind on dipation. To not their inform un that The liver is fartly the sal of the disease; and that this organ is very much diseased in all coses? Colomel has undoubtedly a specific relation with the liver; by exceling in it a degree of action comficilite with its mode of vitality Han properlyadministing it is followed by an increase of biliary sertion, and this suretion is almost in every instance of a better quality, and considering as me do the bile to be the natural stimulus of the intertines, it must of course improve the digretion, while the flow relieves the congreted refulls in this may the improvement consequent on biliares stools in this disease may be accounted for. In the stomach there is a diminution



of initability in the bowels there is a more regular contraction, and there is a more rigorous determination to the durface. If the internal exhibition of Morcery in the form of Calamal. no not finductive of the desired effect; Ishauld there resort to the aid of the cintmont rubbed one the region of the liver, as well as on the joints. although the worst importants of this disease may have been arrested, there still remain some, which it will be necessary to attend to; buch as dianhora, tormina and tensimus. At this stage of the disease, there are some medicines admirably calculated to produce beneficial effects; among which, may be ranked the Ruber & roumbans, Harmatowylow Compachia women, Entaceour Sulop, and anotypes injections The Rubus freumbers is generally administered in decoction, and may be prepared, by putting anow me of the bruised root. to a fint of water. " Proposed in this way I have seen the use of it, attended with very beneficial effects; for while it tends, to restrain the purging, and beautes of the bowels, it at the some time imports a degree of totreto How. The Hasmatouylon may be considered as an



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equally valuable remedy, prepared and administered in the barne may. But while me are indeavouring to restrain this locamp of the bowelo, ne should be notepactive in alleying the tormind are tenermer, which are both unetimes very troublesome at the poise; for the accomplishment of which, I know of no remedies superior to the chalk yielast, and anodyne impetions. as the child must necessarily be very much debititated after the continuance of such a disease for any length of time, it is necessary to administer such medicines as will restore tone to the stomach and bowels, and through the madicion of them, to the general conteres The remedies East adopted for this purpose are a decation of benevior barky, mitha little cinamore added to it; the infusions of columbs, Luapia, and yentian. moderate exercise should be considered as an involvable remedy through with the whole course of the discone; but more especially in the latter stage. It is said that this has been a means of sestoring monny children, after every other sunnedy has failed. This I do not think can be too though

improped on the minds of physicians, for I have seen the most marked benefit resulting from the small flagree of exercise from coming it about in the arms, when the parents have been in such indigent circumstances, as not to afford them any other made of conveyance. This is not all that is necessary in the treatment of this discose, for without a strict attention to the diet, it is impossible that over remedies can have the decised effect. The diet of children who one weared, Should consist of farinaceous substances, such as anow not coffice, birait without any fotty sultance, baked brown, and greated into boiled milk. I believe the mothers milk the best food for children who are not meaned, and the mother should never be suffered to mean the child under nine or trastil months, unlescirumstance render it absolutely necessary